

In the Abstract

Please amend the ABSTRACT OF THE DISCLOSURE of this application as follows:

1 --ABSTRACT
2 This invention cures many inefficiencies with known scan conversion
3 methods. This invention A computer implemented method of clipping
4 to a clip polygon and trapezoid formation employs a an edge array
5 rather than a set linked list from an array of pointers equal in
6 number to the number of scan lines. This invention thus eliminates
7 storage of linked list pointers which in the prior art included
8 many null pointers resulting in better memory utilization. ~~es~~
9 ~~on chip memory when employing a single chip microprocessor.~~ This
10 invention method sorts the active edge table only at edge
11 intersections and vertices, thus eliminating much unneeded sorting.
12 This invention method permits integrated clipping of a subject
13 polygon by a clip polygon and forming trapezoids filling the
14 clipped area by activating trapezoid formation at every vertex of
15 either polygon and at every edge intersection. ~~This process saves~~
16 ~~code space and computer processing time.~~ This invention
17 ~~efficiently utilizes the resources of a multiprocessor integrated~~
18 ~~circuit by spawning of subtasks from a RISC type processor to one~~
19 ~~or more DSP type processors.~~--